

## TABLE OF CONTENTS

### SECTION 01. LAND RECLAMATION

Paper ID	Authors	Affiliation	Paper Title	Page
01	Monzer AL ISBER	University of Balamand, Technological University Institute - Issam Fares, Liban	THERMOVISION APPLIED FOR STUDYING THE ELECTROMECHANICAL TRANSMISSIONS OPERATION	13-18
02	Dan Ilie BĂLEANU	University of Agronomic Sciences and Veterinary Medicine of Bucharest	SOME ASPECTS CONCERNING THE USE OF GEOSYNTHETICS FOR SOIL EROSION CONTROL AND LANDSLIDES STABILIZATION ON SIDE SLOPES	19-22
03	Ștefan-Silvian CIOBANU	University of Agronomic Sciences and Veterinary Medicine of Bucharest	GEOTECHNICAL CHARACTERIZATION OF LOESSOID SOILS AND IMPROVMENT METHODS	23-28
04	Bogdan DUMITRU	University of Agronomic Sciences and Veterinary Medicine of Bucharest, Faculty of Land Reclamation and Environmental Engineering	MANAGEMENT PARTICULARITIES IN LAND RECLAMATION FIELD	29-34
05	Bogdan DUMITRU, Catalin BOTEA	University of Agronomic Sciences and Veterinary Medicine of Bucharest	RESEARCH CONCERNING GULLY EROSION EVOLUTION ON AGRICULTURAL LANDS	35-38
06	Mihai FRÎNCU, Corina DUMITRACHE	University of Agronomic Sciences and Veterinary Medicine of Bucharest	GEOLOGICAL CHARACTERIZATION OF LOESSOID SOILS FROM ROMANIA	39-44
07	Marius GRUIA	University of Agronomic Sciences and Veterinary Medicine of Bucharest, Faculty of Land Reclamation and Environmental Engineering	ENHANCING THE STRUCTURAL BEHAVIOUR OF REINFORCED CONCRETE BUILDINGS UNDER SEISMIC ACTIONS	45-53
08	Paul MĂRGINAȘ, Ervin SCHLESINGER	University of Agronomic Sciences and Veterinary Medicine of Cluj Napoca	STUDIES AND RESEARCHES FOR IMPROVEMENT AND PROTECTION, BY FORESTRY WAY, OF THE EMBANKMENTS AFFERENT TO NATIONAL	54-59

09	Gavril MOIȘAN, Ionuța OLTEAN	University of Agronomic Sciences and Veterinary Medicine of Cluj Napoca	ROAD 17 – TIHUȚA GORGE GULLY SURVEYING USED FOR IMPACT ASSESSEMENT	60-63
10	George Narcis PELEA, Ciprian BALAJ, Mariana TĂMAȘ	University Politehnica of Timișoara, Faculty of Civil Engineering	LOCAL IRRIGATION SYSTEM USING THE WASTEWATER STORAGE TANKS IN RĂUȚI – SÂNMIHAIU GERMAN DRAINAGE UNIT, CENEI, TIMIS COUNTY	64-67
11	Mariana TĂMAȘ, George Narcis PELEA, Ciprian BALAJ, Gabriel LEUCUȚA	University Politehnica of Timișoara, Faculty of Civil Engineering	INTEGRATED WASTE MANAGEMENT SYSTEM IN CARAS-SEVERIN COUNTY	68-72

## SECTION 02. ENVIRONMENTAL ENGINEERING

Paper ID	Authors	Affiliation	Paper Title	Page
12	Iulia Diana GLIGA	University of Agronomic Sciences and Veterinary Medicine of Cluj Napoca	RESEARCHES ON ECOLOGICAL RECONSTRUCTION OF BOUNDARY FOREST IN PIETROSUL RODNEI MASSIVE	75-78
13	Eren KARAKAVUZ	Bulent Ecevit University of Turkey, Environmental Engineering Department	MEASUREMENT OF DRY DEPOSITION AMOUNT OF PAHS IN ZONGULDAK REGION	79-84
14	Paul MĂRGINAȘ, Ervin SCHLESINGER	University of Agronomic Sciences and Veterinary Medicine of Cluj Napoca	RESEARCHES ABOUT DOWNGRADED LANDS IMPROVEMENT BY SILVO- IMPROVED TREES AND SHRUBS CULTURE FROM BAIA MARE AREA	85-90
15	Mihai-Doinel MUNTEAN, Loriana MORARIU	University Politehnica of Timisoara, Faculty of Constructions	THE INFLUENCE OF SLAG AND ASH DEPOSIT USED BY DROBETA -TURNU SEVERIN POWER PLANT CONCERNING GROUNDWATER IN THE AREA	91-98

16	Bianca Georgiana OLARU	University of Agronomic Sciences and Veterinary Medicine of Bucharest	ECOLOGICAL ASSESSMENT OF THE LAKE MIRESEI CAMPINA	99-105
17	Andreea STANCI, Dorin TATARU	University of Petrosani	MONITORING OF NOISE PRODUCED BY BANDCONVEYORS FROM THE MINING UNIT OF CAREER ROSIA	106-109
18	Alikemal TOPALOĞLU	Bulent Ecevit University of Turkey, Environmental Engineering Department	THE USE OF ULTRAFILTRATION MEMBRANE SYSTEMS TO TREAT WASTE WATERS GENERATED FROM HARD COAL MINING	110-113
19	Roxana Maria TRUȚA	University "1 Decembrie 1918" of Alba Iulia	SURFACE WATER QUALITY-STUDY CASE RIVER GALDA	114-123
20	Mihaela Simona VARVARĂ	University of Agronomic Sciences and Veterinary Medicine of Cluj Napoca	PLANNING AND DESIGN OF A SEMI-INTENSIVE GREEN ROOF SYSTEM	124-126

### SECTION 03. CADASTRE

Paper ID	Authors	Affiliation	Paper Title	Page
21	Dan-Eugen AMARIE, Adrian SCHIPOR	University of Agronomic Sciences and Veterinary Medicine of Cluj-Napoca	DIGITAL LIBRARY USED IN LAND SURVEY MAPPING CONTAINING SCALABLE SYMBOLS, LINETYPES AND HATCHES AIMED FOR CROSS-PLATFORM USE AND COMPATIBILITY	129-132
22	Iuliana Andreea APOSTU, Cornelia Maria CHIRILA	University of Agronomic Sciences and Veterinary Medicine of Bucharest	ARCGIS ONLINE APPLICATION -HIGH SCHOOLS IN PRAHOVA AND VRANCEA TOUR	133-136
23	Mădălina AUGUSTIN, Andreea COSTACHE, Timea IZSAK, Ionuț SILAGHI, Alexandru PORUMB	Technical University of Cluj-Napoca	CONSIDERATIONS CONCERNING THE TRANSCALCULUS OF THE COORDINATES IN STEREO 1970 PROJECTION FROM KRASOVSKI ELLIPSOID TO THE WGS 1984 ELLIPSOID	137-140

24	Alexandra AVRAM, Paula ANDRIES	Technical University of Civil Engineering of Bucharest, Faculty of Geodesy	THE USE OF GIS IN AVIATION	141- 144
25	Bianca BADULESCU	University of Agronomic Sciences and Veterinary Medicine of Bucharest	3D LASER SCANNING FOR MAPPING, BUILDINGS AND HERITAGE	145- 150
26	Ionut-Alexandru BĂTRÎNACHE, Dumitru-Lucian BLĂGESCU	University of Agronomic Sciences and Veterinary Medicine of Bucharest	INVENTORY OF BUILDINGS WITH HIGH SEISMIC RISK AND POSITIONING THEM ON A MAP USING ARCGIS ONLINE PLATFORM	151- 154
27	Dumitru-Lucian BLĂGESCU, Ionuț- Alexandru BĂTRÎNACHE	University of Agronomic Sciences and Veterinary Medicine of Bucharest, Faculty of Land Reclamation and Environmental Engineering	RESTORING THE BUILDINGS USING THE 3D TEHNOLOGY	155- 160
28	Anca-Maria BUZILĂ, Maria- Olivia MOLDOVAN, Maria-Daciana ȚIBREA, Eugenia URSU	University of Agronomic Sciences and Veterinary Medicine of Cluj-Napoca	COMPARATIVE ANALYSIS OF ARC-TO-CHORD CORRECTIONS BETWEEN THE GAUSS-KRUGER PROJECTED SYSTEM AND THE STEREOGRAPHIC 1970 PROJECTED SYSTEM FOR THE SAME SIDE OF TRIANGULATION NETWORK	161- 166
29	Andreea CĂLUGĂRU	University of Agronomic Sciences and Veterinary Medicine of Bucharest	3D MODELLING. VIRTUAL CAMPUS FOR THE UNIVERSITY OF AGRONOMIC SCIENCES AND VETERINARY MEDICINE OF BUCHAREST	167- 172
30	Sebastian CIUBAN	University of Agronomic Sciences and Veterinary Medicine of Bucharest, Faculty of Land Reclamation and Environmental Engineering	ESTIMATING THE GNSS BROADCAST EPHEMERIS ERROR	173- 176
31	Serghei CUCOREAN <sup>1</sup> , Tatiana CUCOREAN <sup>2</sup>	<sup>1</sup> Technical University of Civil Engineering of Bucharest  <sup>2</sup> State Agrarian University of Moldova, Department of	MASSIVE ASSESSMENT OF REAL ESTATES FOR TAX PURPOSES. CASE STUDY: CAINARII VECHI MAYORALTY, SOROCA	177- 180

		Land Management	DISTRICT	
32	Mihai DUMA, Samson FILIPOI, Tudor Alexandru FLOREA, Denis MIHALI	University of Agronomic Sciences and Veterinary Medicine of Cluj-Napoca	ASPECTS OF ACHIEVING PRECISIONS IN MINING PENETRATIONS	181- 186
33	Cosmin-Gabriel GHERGHINA, Mihaela STANICA	Technical University of Civil Engineering of Bucharest, Faculty of Geodesy	ANALYSIS OF PLANIMETRIC ACCURACY OF OLD MAPS OF TRANSYLVANIA	187- 191
34	Simona-Mariana HRISCU	University Transilvania of Braşov, Faculty of Silviculture and Forest Engineering	STATISTICAL ANALYSIS ON THE ACCURACY OF DETERMINING THE COORDINATES OF THE POINTS WITH GPS EQUIPMENT IN FORESTRY SECTOR	192- 194
35	Ana-Maria IONESCU	University Transilvania of Braşov, Faculty of Silviculture and Forest Engineering	COMPARATIVE ANALYSIS ON THE PRECISION OF DETERMINATION OF GEODETIC POINTS USING THE STATIC METHOD AND RTK TECHNIQUE	195- 198
36	Valentin MIHALCEA	Technical University of Civil Engineering of Bucharest, Faculty of Geodesy	TERRESTRIAL LASERSCANER	199- 206
37	Petruţa OLTEAN, Dan MUCEA	University of Agronomic Sciences and Veterinary Medicine of Cluj-Napoca	ASPECTS REGARDING THE EVALUATION OF EXCAVATED VOLUMES FROM CORBII MARI, DÂMBOVIŢA	207- 209
38	Diana-Ioana PLOSCARIU, Lavinia-Diana MOLDOVAN, Casian Razvan REBREAN, Mircea Andrei VUSCAN	University of Agronomic Sciences and Veterinary Medicine of Cluj-Napoca	COMPARATIVE STUDY OF BASIC GEODETIC PROBLEMS SOLVED ON THE ELIPSOID AND SPHERE	210- 215
39	Florita-Ionela STRUGARI, Raluca-Camelia MURESAN, Alexandra-	University of Agronomic Sciences and Veterinary Medicine of Cluj-Napoca	COMPARATIVE ANALYSIS OF THE RESULTS OBTAINED FROM SOLVING SMALL SPHERICAL TRIANGLES THROUGH LEGENDRE	216- 219

	Madalina GRAD, Alina GIURGIU		METHOD, AND THROUGHSOLDNER METHOD	
40	Loredana TECAR, Bianca Balulescu Marica BURESIN	Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania", Faculty of Agriculture	DEVELOPMENT ANALYSIS OF THE TIMISOARA BASED ON SATELLITE IMAGES	220- 225
41	Andrei-Şerban TOMPEA	University Transilvania of Braşov, Faculty of Silviculture and Forest Engineering	ADVANCE GIS ANALYSIS ON ZONAL URBAN PLAN PROJECT	226- 230
42	Alexandra TRIF	University of Agronomic Sciences and Veterinary Medicine of Bucharest	REPRESENTING CLIMATOLOGICAL DATA FOR ROMANIA USING ARCGIS ONLINE PLATFORM	231- 234